

Veera Ravi Arumugam

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76
papers

2,330
citations

27
h-index

47
g-index

78
ext. papers

2,912
ext. citations

4.6
avg, IF

5.43
L-index

#	Paper	IF	Citations
76	Inhibition of biofilm development of uropathogens by curcumin - an anti-quorum sensing agent from <i>Curcuma longa</i> . <i>Food Chemistry</i> , 2014 , 148, 453-60	8.5	238
75	Antibiofilm and quorum sensing inhibitory potential of <i>Cuminum cyminum</i> and its secondary metabolite methyl eugenol against Gram negative bacterial pathogens. <i>Food Research International</i> , 2012 , 45, 85-92	7	204
74	Antiquorum sensing and antibiofilm potential of <i>Capparis spinosa</i> . <i>Archives of Medical Research</i> , 2011 , 42, 658-68	6.6	125
73	Evaluation of anti-quorum-sensing activity of edible plants and fruits through inhibition of the N-acyl-homoserine lactone system in <i>Chromobacterium violaceum</i> and <i>Pseudomonas aeruginosa</i> . <i>Chemotherapy</i> , 2010 , 56, 333-9	3.2	125
72	Screening and evaluation of probiotics as a biocontrol agent against pathogenic <i>Vibrios</i> in marine aquaculture. <i>Letters in Applied Microbiology</i> , 2007 , 45, 219-23	2.9	96
71	Prevention of quorum-sensing-mediated biofilm development and virulence factors production in <i>Vibrio</i> spp. by curcumin. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 10177-87	5.7	91
70	Computational discovery of putative quorum sensing inhibitors against LasR and RhlR receptor proteins of <i>Pseudomonas aeruginosa</i> . <i>Journal of Computer-Aided Molecular Design</i> , 2012 , 26, 1067-77	4.2	78
69	Quinolines-Based SARS-CoV-2 3CLpro and RdRp Inhibitors and Spike-RBD-ACE2 Inhibitor for Drug-Repurposing Against COVID-19: An Analysis. <i>Frontiers in Microbiology</i> , 2020 , 11, 1796	5.7	72
68	Antipathogenic potential of marine <i>Bacillus</i> sp. SS4 on N-acyl-homoserine-lactone-mediated virulence factors production in <i>Pseudomonas aeruginosa</i> (PAO1). <i>Journal of Biosciences</i> , 2011 , 36, 55-67 ^{2.3}	2.3	72
67	Piper betle and its bioactive metabolite phytol mitigates quorum sensing mediated virulence factors and biofilm of nosocomial pathogen <i>Serratia marcescens</i> in vitro. <i>Journal of Ethnopharmacology</i> , 2016 , 193, 592-603	5	66
66	Morin inhibits biofilm production and reduces the virulence of <i>Listeria monocytogenes</i> - An in vitro and in vivo approach. <i>International Journal of Food Microbiology</i> , 2016 , 237, 73-82	5.8	56
65	Inhibitory effect of marine cyanobacterial extract on biofilm formation and virulence factor production of bacterial pathogens causing vibriosis in aquaculture. <i>Journal of Applied Phycology</i> , 2016 , 28, 313-324	3.2	50
64	Quorum sensing inhibition in <i>Pseudomonas aeruginosa</i> PAO1 by antagonistic compound phenylacetic acid. <i>Current Microbiology</i> , 2012 , 65, 475-80	2.4	49
63	In vitro and in vivo efficacy of rosmarinic acid on quorum sensing mediated biofilm formation and virulence factor production in <i>Aeromonas hydrophila</i> . <i>Biofouling</i> , 2016 , 32, 1171-1183	3.3	44
62	2,5-Piperazinedione inhibits quorum sensing-dependent factor production in <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Basic Microbiology</i> , 2012 , 52, 679-86	2.7	44
61	Antibiofilm activity of <i>Vetiveria zizanioides</i> root extract against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Microbial Pathogenesis</i> , 2017 , 110, 313-324	3.8	39
60	Exploring the Anti-quorum Sensing and Antibiofilm Efficacy of Phytol against Associated Acute Pyelonephritis Infection in Wistar Rats. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 498	5.9	39

59	Biogenic synthesis of silver nanoparticles using Piper betle aqueous extract and evaluation of its anti-quorum sensing and antibiofilm potential against uropathogens with cytotoxic effects: an in vitro and in vivo approach. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 10538-10554	5.1	36
58	Inhibition of quorum sensing-dependent biofilm and virulence genes expression in environmental pathogen <i>Serratia marcescens</i> by petroselinic acid. <i>Antonie Van Leeuwenhoek</i> , 2018 , 111, 501-515	2.1	36
57	Inhibition of Quorum Sensing Mediated Virulence Factors Production in Urinary Pathogen <i>Serratia marcescens</i> PS1 by Marine Sponges. <i>Indian Journal of Microbiology</i> , 2012 , 52, 160-6	3.7	36
56	Phytosynthesized silver nanoparticles as anti-quorum sensing and antibiofilm agent against the nosocomial pathogen <i>Serratia marcescens</i> : an in vitro study. <i>Journal of Applied Microbiology</i> , 2018 , 124, 1425-1440	4.7	35
55	Cyclic dipeptide cyclo(l-leucyl-l-prolyl) from marine <i>Bacillus amyloliquefaciens</i> mitigates biofilm formation and virulence in <i>Listeria monocytogenes</i> . <i>Pathogens and Disease</i> , 2016 , 74, ftw017	4.2	34
54	Fabrication of heteroatom doped NFP-MWCNT and NFB-MWCNT nanocomposite from imidazolium ionic liquid functionalized MWCNT for antibiofilm and wound healing in Wistar rats: Synthesis, characterization, in-vitro and in-vivo studies. <i>Materials Science and Engineering C</i> , 2020 , 111, 110791	8.3	33
53	In vitro activity of alpha-mangostin in killing and eradicating <i>Staphylococcus epidermidis</i> RP62A biofilms. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 3349-3359	5.7	32
52	In vitro and in vivo exploration of palmitic acid from <i>Synechococcus elongatus</i> as an antibiofilm agent on the survival of <i>Artemia franciscana</i> against virulent vibrios. <i>Journal of Invertebrate Pathology</i> , 2017 , 150, 21-31	2.6	31
51	Fungal Pigments: Potential Coloring Compounds for Wide Ranging Applications in Textile Dyeing. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020 , 6,	5.6	30
50	In vitro antibiofilm efficacy of Piper betle against quorum sensing mediated biofilm formation of luminescent <i>Vibrio harveyi</i> . <i>Microbial Pathogenesis</i> , 2017 , 110, 232-239	3.8	29
49	In vitro and in vivo biofilm inhibitory efficacy of geraniol-cefotaxime combination against <i>Staphylococcus</i> spp. <i>Food and Chemical Toxicology</i> , 2019 , 125, 322-332	4.7	27
48	Deciphering the Antibacterial Mode of Action of Alpha-Mangostin on RP62A Through an Integrated Transcriptomic and Proteomic Approach. <i>Frontiers in Microbiology</i> , 2019 , 10, 150	5.7	26
47	Inhibitory efficacy of geraniol on biofilm formation and development of adaptive resistance in <i>Staphylococcus epidermidis</i> RP62A. <i>Journal of Medical Microbiology</i> , 2017 , 66, 1506-1515	3.2	26
46	Protective effect of neglected plant <i>Diplocyclos palmatus</i> on quorum sensing mediated infection of <i>Serratia marcescens</i> and UV-A induced photoaging in model <i>Caenorhabditis elegans</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 201, 111637	6.7	25
45	In vitro and in vivo effect of 2,6-Di-tert-butyl-4-methylphenol as an antibiofilm agent against quorum sensing mediated biofilm formation of <i>Vibrio</i> spp. <i>International Journal of Food Microbiology</i> , 2018 , 281, 60-71	5.8	25
44	Antipathogenic potential of <i>Rhizophora</i> spp. against the quorum sensing mediated virulence factors production in drug resistant <i>Pseudomonas aeruginosa</i> . <i>Phytomedicine</i> , 2013 , 20, 956-63	6.5	22
43	Inhibitory effect of Mangostin on <i>Acinetobacter baumannii</i> biofilms - an in vitro study. <i>Biofouling</i> , 2018 , 34, 579-593	3.3	21
42	Rapid biosynthesized AgNPs from <i>Gelidiella acerosa</i> aqueous extract mitigates quorum sensing mediated biofilm formation of <i>Vibrio</i> species-an in vitro and in vivo approach. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 27254-27268	5.1	19

41	Anti-quorum sensing potential of the mangrove <i>Rhizophora annamalayana</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2013 , 29, 1851-8	4.4	19
40	Fabrication of nanocomposites mediated from aluminium nanoparticles/ <i>Moringa oleifera</i> gum activated carbon for effective photocatalytic removal of nitrate and phosphate in aqueous solution. <i>Journal of Cleaner Production</i> , 2021 , 281, 124553	10.3	18
39	Inhibition of quorum sensing-mediated virulence in <i>Serratia marcescens</i> by <i>Bacillus subtilis</i> R-18. <i>Microbial Pathogenesis</i> , 2018 , 120, 166-175	3.8	17
38	Inhibitory Effect of Morin Against Pathogenicity and Virulence Factor Production: An and Approaches. <i>Frontiers in Microbiology</i> , 2020 , 11, 561298	5.7	16
37	Methods to determine antipathogenic potential of phenolic and flavonoid compounds against urinary pathogen <i>Serratia marcescens</i> . <i>Journal of Microbiological Methods</i> , 2012 , 91, 208-11	2.8	16
36	Biofilm inhibitory efficiency of phytol in combination with cefotaxime against nosocomial pathogen <i>Acinetobacter baumannii</i> . <i>Journal of Applied Microbiology</i> , 2018 , 125, 56-71	4.7	15
35	Virulence targeted inhibitory effect of linalool against the exclusive uropathogen. <i>Biofouling</i> , 2019 , 35, 508-525	3.3	14
34	Synergistic antibiofilm efficacy of undecanoic acid and auxins against quorum sensing mediated biofilm formation of luminescent <i>Vibrio harveyi</i> . <i>Aquaculture</i> , 2019 , 498, 162-170	4.4	14
33	Targeting quorum sensing mechanism: An alternative anti-virulent strategy for the treatment of bacterial infections. <i>South African Journal of Botany</i> , 2019 , 120, 81-86	2.9	14
32	Culture independent characterization of bacteria associated with the mucus of the coral <i>Acropora digitifera</i> from the Gulf of Mannar. <i>World Journal of Microbiology and Biotechnology</i> , 2011 , 27, 1399-406	4.4	12
31	Inhibition of Quorum Sensing and Biofilm Formation in by Fruit Extracts of. <i>ACS Omega</i> , 2020 , 5, 25605-25616	5.9	12
30	The Circular RNA-miRNA Axis: A Special RNA Signature Regulatory Transcriptome as a Potential Biomarker for OSCC. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 22, 352-361	10.7	11
29	Mycosynthesis of anticancer drug taxol by <i>Aspergillus oryzae</i> , an endophyte of <i>Tarenna asiatica</i> , characterization, and its activity against a human lung cancer cell line. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020 , 24, 101525	4.2	11
28	Curcumin from <i>Curcuma longa</i> affects the virulence of <i>Pectobacterium wasabiae</i> and <i>P. carotovorum</i> subsp. <i>carotovorum</i> via quorum sensing regulation. <i>European Journal of Plant Pathology</i> , 2016 , 146, 793-806	2.1	11
27	The control of microbially induced corrosion by methyl eugenol - A dietary phytochemical with quorum sensing inhibitory potential. <i>Bioelectrochemistry</i> , 2019 , 128, 186-192	5.6	10
26	Anti-virulence potential of 2-hydroxy-4-methoxybenzaldehyde against methicillin-resistant <i>Staphylococcus aureus</i> and its clinical isolates. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 6747-6758	5.7	9
25	Selection and characterization of extracellular enzyme production by an endophytic fungi <i>Aspergillus sojae</i> and its bio-efficacy analysis against cotton leaf worm, <i>Spodoptera litura</i> . <i>Current Plant Biology</i> , 2020 , 23, 100153	3.3	9
24	Explication of the Potential of 2-Hydroxy-4-Methoxybenzaldehyde in Hampering Uropathogenic Crystalline Biofilm and Virulence. <i>Frontiers in Microbiology</i> , 2019 , 10, 2804	5.7	9

23	Hemidesmus indicus, a traditional medicinal plant, targets the adherence of multidrug-resistant pathogens to form biofilms. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019 , 21, 101338	4.2	8
22	Inhibition of quorum-sensing-dependent phenotypic expression in <i>Serratia marcescens</i> by marine sediment <i>Bacillus</i> spp. SS4. <i>Annals of Microbiology</i> , 2012 , 62, 443-447	3.2	8
21	Metal sensing-carbon dots loaded TiO-nanocomposite for photocatalytic bacterial deactivation and application in aquaculture. <i>Scientific Reports</i> , 2020 , 10, 12883	4.9	8
20	Anti-proliferative and anti-migratory effects of flower-like bimetallic (Au@Pt) nanoparticles. <i>Materials Letters</i> , 2020 , 267, 127491	3.3	6
19	Anti-inflammatory potential of myristic acid and palmitic acid synergism against systemic candidiasis in <i>Danio rerio</i> (Zebrafish). <i>Biomedicine and Pharmacotherapy</i> , 2021 , 133, 111043	7.5	6
18	Green and hydrothermal assembly of reduced graphene oxide (rGO)-coated ZnO and Fe hybrid nanocomposite for the removal of nitrate and phosphate. <i>Environmental Chemistry and Ecotoxicology</i> , 2020 , 2, 141-149	3.9	5
17	Attenuation of <i>Proteus mirabilis</i> colonization and swarming motility on indwelling urinary catheter by antibiofilm impregnation: An in vitro study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 194, 111207	6	5
16	2-Hydroxy-4-methoxybenzaldehyde from is antagonistic to biofilm formation. <i>Biofouling</i> , 2020 , 36, 549-563	5.3	5
15	In vivo protective effect of geraniol on colonization of <i>Staphylococcus epidermidis</i> in rat jugular vein catheter model. <i>Pathogens and Disease</i> , 2018 , 76,	4.2	5
14	Inhibition of biofilm formation and quorum sensing mediated virulence in <i>Pseudomonas aeruginosa</i> by marine sponge symbiont <i>Brevibacterium casei</i> strain Alu 1. <i>Microbial Pathogenesis</i> , 2021 , 150, 104693	3.8	5
13	Marine Bacteria Is the Cell Factory to Produce Bioactive Pigments: A Prospective Pigment Source in the Ocean. <i>Frontiers in Sustainable Food Systems</i> , 2020 , 4,	4.8	4
12	Anti-quorum Sensing and Protective Efficacies of Naringin Against Infection in. <i>Frontiers in Microbiology</i> , 2020 , 11, 600622	5.7	3
11	AHL-Lactonase Producing sp. From Palk Bay Sediment Mitigates Quorum Sensing-Mediated Virulence Production in Gram Negative Bacterial Pathogens. <i>Frontiers in Microbiology</i> , 2021 , 12, 634593	5.7	3
10	Gene expressing analysis indicates the role of Pyrogallol as a novel antibiofilm and antivirulence agent against <i>Acinetobacter baumannii</i> . <i>Archives of Microbiology</i> , 2021 , 203, 251-260	3	3
9	Anti-QS mediated anti-infection efficacy of probiotic culture-supernatant against <i>Vibrio campbellii</i> infection and the identification of active compounds through in vitro and in silico analyses. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021 , 35, 102108	4.2	2
8	Bioremediation of hexavalent chromium-contaminated wastewater by <i>Bacillus thuringiensis</i> and <i>Staphylococcus capitis</i> isolated from tannery sediment. <i>Biomass Conversion and Biorefinery</i> , 2021 , 11, 383-391	2.3	2
7	Sunlight-active phytol-ZnO@TiO nanocomposite for photocatalytic water remediation and bacterial-fouling control in aquaculture: A comprehensive study on safety-level assessment.. <i>Water Research</i> , 2022 , 212, 118081	12.5	1
6	Proteomic analysis deciphers the multi-targeting antivirulence activity of tannic acid in modulating the expression of MrpA, FlhD, UreR, HpmA and Nrp system in <i>Proteus mirabilis</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 1175-1186	7.9	1

5	Fabrication of blue fluorescent carbon quantum dots using green carbon precursor Psidium guajava leaf extract and its application in water treatment. <i>Carbon Letters</i> ,1	2.3	1
4	Evaluation of antibiofilm potential of four-domain α -amylase from <i>Streptomyces griseus</i> against exopolysaccharides (EPS) of bacterial pathogens using <i>Danio rerio</i> .. <i>Archives of Microbiology</i> , 2022 , 204, 243	3	1
3	Tocopherol and phytol possess anti-quorum sensing mediated anti-infective behavior against <i>Vibrio campbellii</i> in aquaculture: An in vitro and in vivo study. <i>Microbial Pathogenesis</i> , 2021 , 161, 105221	3.8	0
2	Tumorigenesis and diagnostic practice applied in two oncogenic viruses: Epstein Barr virus and T-cell lymphotropic virus-1-Mini review. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 142, 111974	7.5	0
1	Quorum Sensing Inhibitors as an Alternate to Antibiotic Against Biotic Pressure Induced Bacterial Contamination in Aquaculture. <i>Environmental Science and Engineering</i> , 2021 , 283-299	0.2	